



U.S. DEPARTMENT OF ENERGY
Office of Electricity Delivery and Energy Reliability
Infrastructure Security and Energy Restoration

ENERGY ASSURANCE DAILY

Monday Evening, December 10, 2007

Major Developments

Deadly Ice Storm Knocks Out Power to Over 570,000 Customers in Central Plains December 9-10

The storm system initially entered Oklahoma early Sunday, bringing freezing rain that caused significant ice accumulation on trees and power lines cutting power to over 400,000 customers in the state. According to the Oklahoma Department of Emergency Management, the winter storm was the cause of thirteen fatalities linked to icy road conditions and prompted a state of emergency for the entire state of Oklahoma. According to a representative of OG&E, due to the extent and severity of the storm, there is no way to estimate when power might be fully restored. The severe storm continues to move across portions of the Central Plains. Especially hard hit are Missouri, Illinois, Kansas and Indiana, where more customers are likely lose power. In Missouri more than 100,000 homes and businesses lost power. Missouri Governor Matt Blunt declared a state of emergency and activated the National Guard to aid communities affected by the storm. In addition, Missouri has waived limitations on trucker hours. According to an OPIS report, Magellan Pipeline lost power to three terminals. Sources said that one terminal in Carthage, Missouri had been restored and is pumping gasoline but not propane. The two other terminals in Tulsa and Oklahoma City, Oklahoma remain without power.

Central Plains Customer Power Outages			
December 9-10			
Electric Utility	State	Peak	Latest Reported
AEP/Public Service Company of Oklahoma	Oklahoma	179,579	179,579
Oklahoma Gas & Electric	Oklahoma	176,227	176,227
OK Association of Electric Cooperatives	Oklahoma	55,750	55,750
Municipals	Oklahoma	3,365	3,365
AmerenUE	Missouri	45,000	31,397
Statewide Cooperatives	Missouri	27,000	27,000
SouthWest Electric	Missouri	7,000	5,000
Empire District Electric Co	Missouri/ Kansas	58,000	46,000
Westar Energy	Kansas	5,500	5,500
Ameren	Illinois	14,000	7,359
TOTAL*		571,421	537,177

*Total outages only represent electric utilities listed in this table.

Sources:

http://www.ok.gov/OEM/Emergencies_&_Disasters/2007/Winter_Weather_Event_20071209_-_Master/Winter_Weather_Event_20071209_-_5.html

<http://sema.dps.mo.gov/SitReps/SITREP12102007noon.pdf>

<http://www.cnn.com/2007/US/weather/12/10/winter.ice.storm.ap/index.html>

<http://www.oge.com/systemwatch/>

<http://www.psoklahoma.com/news/outages/viewstorm.asp?stormID=701>

<http://www.kotv.com/news/topstory/?id=141294>

<https://www2.ameren.com/outagemap/default.aspx?state=MO>

<https://www.empiredistrict.com/DocHandler.ashx?id=2381>

<https://www-11.westarenergy.com/outagemaps/outagetable.asp>

http://www.kcpl.com/kcmaps/frameset_menus.htm

Reuters, 12:44 December 10, 2007

Reuters, 12:15 December 10, 2007

OPIS 04:06 December 10, 2007

OPIS 04:02 December 10, 2007

Exelon's 1,111 MW La Salle Nuke Unit 2 in Illinois at Full Power December 10

According to the Nuclear Regulatory Commission, the unit was operating at 75 percent on December 9.

Information derived from NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2007/>

FirstEnergy's 1,235 MW Perry Nuke Unit 1 in Ohio Ramped Up to 19 Percent December 10

According to the Nuclear Regulatory Commission, the unit was operating at 9 percent on December 9.

Information derived from NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2007/>

Progress Energy's 872 MW Brunswick Nuke Unit 1 in North Carolina Reduced to 61 Percent December 9

According to the Nuclear Regulatory Commission, the unit was operating at 100 percent on December 8.

Information derived from NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2007/>

Exelon's 1,111 MW La Salle Nuke Unit 2 in Illinois Reduced to 75 Percent December 9

According to the Nuclear Regulatory Commission, the unit was operating at 100 percent on December 8.

Information derived from NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2007/>

TVA's 1,118 MW Browns Ferry Nuke Unit 3 in Alabama Ramped Up to 98 Percent December 8

According to the Nuclear Regulatory Commission, the unit was operating at 37 percent on December 7.

Information derived from NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2007/>

Florida Power's 834 MW Crystal River Nuke Unit 3 in Florida Ramped Up to 75 Percent December 8

According to the Nuclear Regulatory Commission, the unit was operating at 20 percent on December 7.

Information derived from NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2007/>

FirstEnergy's 1,235 MW Perry Nuke Unit 1 in Ohio Ramped Up to 13 Percent December 8

According to the Nuclear Regulatory Commission, the unit was operating at 1 percent on December 7.

Information derived from NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2007/>

PG&E's 1,087 MW Diablo Canyon Nuke Unit 2 in California Ramped Up to 92 Percent December 8

The unit was operating at 55 percent on December 7 due to high ocean swells.

Information derived from NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2007/>

Reuters, 07:40 December 10, 2007

APS's 1,243 MW Palo Verde Nuke Unit 1 in Arizona Ramped Up to 99 Percent December 8

According to the Nuclear Regulatory Commission, the unit was operating at 73 percent on December 7.

Information derived from NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2007/>

AES's 227 MW Huntington Beach Gas-fired Unit 2 in California Returns to Service December 8

According to a filing with California Independent Service Operator, the unit returned to full power following an unplanned outage on December 7.

<http://www.caiso.com/unitstatus/data/unitstatus200712081515.html>

<http://www.caiso.com/unitstatus/data/unitstatus200712071515.html>

Update: NRG's 335 MW El Segundo Gas-fired Unit 3 in California at Full Power December 7

According to a filing with California Independent System Operator, the unit returned to full power following an unplanned outage on December 6.

<http://www.caiso.com/unitstatus/data/unitstatus200712071515.html>

Interstate Power Plans 200 MW Wind Farm in North Central Iowa

Interstate Power and Light Company (IPL), a subsidiary of Alliant Energy Corporation, has recently purchased land in north central Iowa to develop a 200 MW wind farm to be completed by 2010. IPL seeks to begin construction on the first 100 MW in 2009.

http://biz.yahoo.com/ap/071207/ia_wind_power_site.html?.v=1

Update: Missouri Public Service Commission to Take No Action against AmerenUE for 2005 Taum Sauk Reservoir Collapse

Convinced that the remedies provided by AmerenUE were satisfactory, the Missouri Public Service Commission will take no action against AmerenUE for the 2005 rupture of the Taum Sauk upper reservoir. Ameren agreed to a \$177 million settlement of a lawsuit by Missouri's Attorney General over the Taum Sauk disaster.

<http://www.stltoday.com/stltoday/business/stories.nsf/0/5D35FED8738D3E32862573AB000B8434?OpenDocument>

Department of Interior Requests that Santee Cooper's Proposed Coal-fired Plant in South Carolina to Be Put on Hold- Cites Destructive Environmental Impacts

The Department of Interior's Fish and Wildlife Services is recommending that Santee Cooper abandon its plans for a rudimentary coal burning plant in South Carolina and instead replace it with a coal gasification plant, one that releases less air pollution and would cause less damage to the Cape Romain National Wildlife Refuge.

http://www.charleston.net/news/2007/dec/07/dept_interior_wants_coal_fired_plant_on_24414/

PacifiCorp Places Three Planned Coal-fired Projects on Hold Pending Federal Action on Carbon Dioxide Emissions

PacifiCorp has abandoned efforts to build three new coal-fired power plants for the next decade until the federal government decides whether it will limit or tax carbon-dioxide emissions. The three projects on hold consisted of two additions to the Bridger power plant in Rock Springs, Wyoming and a third unit to be installed in the Intermountain Power Project near Delta, Utah.

http://www.sltrib.com/news/ci_7667471

Update: Board of Public Utilities Drops Plans to Build a Coal-fired Plant in Wyandotte County, Kansas - Seeks Greener Alternatives

County administrators had been planning a coal-fired plant in Kansas City for several years. County board members cite increasing costs which prompted them to drop the plans and consider a by natural gas fueled combustion turbine to meet the growing demand for power in Wyandotte County.

<http://www.bnd.com/336/story/198581.html>

OPG's 490 MW Nanticoke Coal-fired Unit 1 in Ontario Shut December 10

Reuters, 8:26 December 10, 2007

OPG's 494 MW Lambton Coal-fired Unit 4 in Ontario Shut December 10

Reuters, 8:26 December 10, 2007

TransAlta's 381 MW Keephills Coal-fired Unit 2 in Alberta Shut December 8

Reuters, 8:26 December 10, 2007

InterGen's 322 MW La Rosita Gas-fired Unit 1 in Mexico Returns to Service December 9

According to a report issued by the California Independent System Operator, the unit returned to full power following an unplanned outage on December 8.

<http://www.caiso.com/unitstatus/data/unitstatus200712091515.html>

<http://www.caiso.com/unitstatus/data/unitstatus200712081515.html>

Petroleum

Update: Motiva Announces Groundbreaking for the 325,000 b/d Expansion of its 285,000 b/d Port Arthur Refinery in Texas December 10

U.S. Secretary of Energy Samuel Bodman will be present for the groundbreaking ceremony at Motiva's Port Arthur refinery as company officials break ground for its 325,000 b/d expansion to make Port Arthur the largest refinery in the United States.

http://www.motivaenterprises.com/home/Framework?siteId=motiva-en&FC2=/motiva-en/html/iwgen/motiva_media_center/press_releases/2007/zzz_lhn.html&FC3=/motiva-en/html/iwgen/motiva_media_center/press_releases/2007/par_groundbreaking_121007.html

Total Restarts Sulfur Units at its 95,500 b/d Port Arthur Refinery December 7

The shut down of the main air blower at Unit 836 led to the shut down and reduction of several units at the refinery, including sulfur units 836, 820, and 250. Total is investigating into the cause of the air blower malfunction.

Reuters, 12:31 December 10, 2007

<http://www2.tceq.state.tx.us/ee/main/index.cfm?fuseaction=getDetails&target=101059>

Flaring Reported at BP's 265,000 b/d Los Angeles Refinery in California December 9

Reuters, 17:22 December 9, 2007

Oil Exporting Nations Using More Energy and Are Decreasing Exports - NY Times

According to NY Times research, economies of many large oil rich countries, such as Indonesia, Mexico and Iran, are growing so fast that, their need for energy domestically is negatively impacting how much oil they are able sell abroad. Increased industrialization, higher government spending and increasing personal consumption are major contributing factors to the trend that is adding new strain to the global oil market.

http://www.nytimes.com/2007/12/09/business/worldbusiness/09oil.html?_r=1&th&emc=th&oref=slogin

Natural Gas

Natural Gas Line Ruptures Underground, Closes Major Roadway in Knoxville, Tennessee December 10

A spokesman for the Knoxville Utilities Board said an underground gas pipe broke early this morning, forcing a major roadway to be shut down. Crews have to dig up the road and surrounding area and are having to replace a section of the pipe. No customers in the area will be expected to lose gas service due to the leak.

<http://www.volunteertv.com/home/headlines/12302371.html>

<http://www.knoxnews.com/news/2007/dec/10/gas-leak-closes-portion-northshore-drive/>

Florida Turnpike Reopens after Natural Gas Leak Caused its Closure December 10

Florida's Turnpike was closed in both directions for approximately two hours as fire and rescue officials said a gas line underneath the highway ruptured. The leak has since been capped and traffic is moving in both directions.

<http://www.local10.com/news/14812626/detail.html>

<http://www.miamiherald.com/854/story/339143.html>

Broken Gas Main Reported in Mt. Auburn, Ohio December 10

Reports of a natural gas odor caused Duke Energy crews to close off several streets while they dig to repair the broken gas main. An evacuation is not anticipated.

http://www.wcpo.com/news/local/story.aspx?content_id=c0a4caf2-e304-440c-b8e4-f499518b0e2d

Tennessee Gas Pipeline and Equitable Resources Plan to Jointly Develop the Northeast Passage Project within the Appalachian Basin

The project, to consist of 471 miles of 36-inch diameter interstate natural gas pipeline with an initial capacity of 1.1 billion cubic feet per day, will begin at Clarington, OH, and terminate at a new interconnect with Iroquois Gas Transmission at Pleasant Valley, NY. Along the route, the new line will interconnect with a number of major lines. Pending regulatory approval, the companies anticipate the line to be in operation by November 2011.

<http://investor.elpaso.com/phoenix.zhtml?c=97166&p=irol-newsArticle&ID=1085633&highlight=>

Equipment Malfunction Reported at Tilden Gas Plant in Texas December 8-9

<http://www2.tceq.state.tx.us/eer/main/index.cfm?fuseaction=getDetails&target=101075>

<http://www2.tceq.state.tx.us/eer/main/index.cfm?fuseaction=getDetails&target=101072>

Line Failure Reported at Duke Energy's Field Services Pipeline in Hansford County Texas December 8

According to a filing with state regulators, a line failure caused from internal corrosion causing the 12-inch G-Line to be line depressurized so that the leak repair. Following the repairs, the line was placed back into operations.

<http://www2.tceq.state.tx.us/eer/main/index.cfm?fuseaction=getDetails&target=101067>

Tennessee Gas Pipeline Co Declares Force Majeure Natural Gas Compressor Station in New York December 7

On Friday, December 7, El Paso Corp's Tennessee Gas Pipeline Company declared force majeure for compressor station 249 in upstate New York because emergency repairs to the foundation became necessary. The repairs are estimated to take seven days to complete.

Reuters, 12:46 December 7, 2007

Other News

Ur-Energy Inc. Submits Applies to NRC for Permission to Mine Uranium in Southwestern Wyoming December 7

The project, titled Lost Creek, is to be located in the Central Divide Basin and hopes to begin uranium production in late 2009. The Ur-Energy application is the second received by the NRC this year for uranium mining in Wyoming.

<http://www.montanastation.com/Global/story.asp?S=7467915>

Pacific Ethanol Suspends Construction of Imperial Valley Ethanol Project December 10

Pacific Ethanol Inc announced that it will suspend construction of its Imperial Valley ethanol project in California

Until the market for corn-based fuel improves,

Reuters, 09:04 December 10, 2007

Energy Prices

U.S. Oil and Gas Prices			
December 10, 2007			
	Today	Week Ago	Year Ago
CRUDE OIL			
West Texas Intermediate U.S.	87.71	87.86	62.06
\$/Barrel			
NATURAL GAS			
Henry Hub	6.98	7.29	7.45
\$/Million Btu			

Source: Reuters

**Winter Storm Knocks out Power to 18,000 Rocky Mountain Power Customers in Utah
December 8**

http://origin.sltrib.com/news/ci_7674267

**Houston Ship Channel Closed to Traffic Because of Fog Backup of 58 Vessels Reported
Morning of December 10**

Reuters, 08:20 December 10, 2007

**Thieves Steal Four Miles of Copper Wire from Lighting System in Maine December 9,
Police Investigating**

<http://www.wmtw.com/news/14810251/detail.html>

**U.S. Energy Secretary Bodman Wanted OPEC to Raise Production at Last Week's
Meeting, Says the US Could Use Northeast Heating Oil Reserve if Necessary**

Reuters, 13:02 December 10, 2007

**Erie Renewable Energy LLC Files for Air Quality Permit for Planned 90 MW Tires-to-
Energy Plant in Erie, Pennsylvania December 7**

http://pro.energycentral.com/professional/news/power/news_article.cfm?id=9361037

**Cargoes of LNG Imports into US Declined 1.8 Bcf in October – LNG Instead Went to Meet
Heating Demand in Europe and to Replace Lost Nuclear Power in Asia**

http://www.downstreamtoday.com/News/Articles/200712/Cold_Nuclear_Power_Outages_Pull_LNG_Awa_7523.aspx

**Collision in Gulf of Aden Involving Total's Samco Oil Tanker with Container Ship Caused
No Pollution December 7**

Reuters, 11:06 December 10, 2007

**Update: Shell's 3.53 Bcf Ormen Lange Gas Field in the North Sea to Return to Full
Capacity December 7 Following Repairs and Testing**

http://www.rigzone.com/news/article.asp?a_id=53760

**Pemex Tentatively Plans New 300,000 – 600,000 b/d Refinery in Mexico Primarily for
Domestic Market**

http://www.downstreamtoday.com/News/Articles/200712/Mexico_Drafts_New_Refinery_Plan_As_Congr_7542.aspx

To Promote Business, MXEnergy Offers Electricity on eBay December 7

<http://www.fool.com/news/associated-press/2007/12/07/utility-offers-electricity-on-ebay.aspx>

Links

This Week in Petroleum from the Energy Information Administration (EIA)

<http://tonto.eia.doe.gov/oog/info/twip/twip.asp>

Updated every Wednesday.

Weekly Petroleum Status Report from EIA

http://www.eia.doe.gov/oil_gas/petroleum/data_publications/weekly_petroleum_status_report/wpsr.html

Updated after 10:30 AM & 1:00 PM EST every Wednesday.

ENERGY ASSURANCE DAILY

Energy Assurance Daily provides a summary of public information concerning current energy issues. Published Monday through Friday to inform stakeholders of developments affecting energy systems, flows, and markets, it provides highlights of energy issues rather than a comprehensive coverage. *Energy Assurance Daily* is updated online Monday through Friday after 5:00 p.m. EST. For more information, visit the Infrastructure Security and Energy Restoration (ISER) website at:
<http://www.oe.netl.doe.gov/index.aspx>.

Please direct comments and questions to: ead@oe.netl.doe.gov